Bysani Chandrasekar

List of Publications by Year in Descending Order

71 papers	3,536 citations	36 h-index	59 g-index
72 ext. papers	3,918 ext. citations	5.1 avg, IF	4.95 L-index

#	Paper	IF	Citations
71	Quantification of myocardial fibrosis using noninvasive T -mapping magnetic resonance imaging: Preclinical models of aging and pressure overload. *NMR in Biomedicine*, **2021**, e4641	4.4	0
70	Macrophage-Specific IGF-1 Overexpression Reduces CXCL12 Chemokine Levels and Suppresses Atherosclerotic Burden in Apoe-Deficient Mice. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2021**, ATVBAHA121316090	9.4	0
69	Sacubitril/valsartan inhibits obesity-associated diastolic dysfunction through suppression of ventricular-vascular stiffness. *Cardiovascular Diabetology*, **2021**, 20, 80	8.7	4
68	The SGLT2 inhibitor Empagliflozin attenuates interleukin-17A-induced human aortic smooth muscle cell proliferation and migration by targeting TRAF3IP2/ROS/NLRP3/Caspase-1-dependent IL-1β and IL-18 secretion. *Cellular Signalling*, **2021**, 77, 109825	4.9	19
67	Mutation of the 5Suntranslated region stem-loop mRNA structure reduces type I collagen deposition and arterial stiffness in male obese mice. *American Journal of Physiology - Heart and Circulatory Physiology*, **2021**, 321, H435-H445	5.2	1
66	Minocycline reverses IL-17A/TRAF3IP2-mediated p38 MAPK/NF-κB/iNOS/NO-dependent cardiomyocyte contractile depression and death. *Cellular Signalling*, **2020**, 73, 109690	4.9	7
65	Features of Stable Plaque Phenotype Are Increased by Macrophage Specific Insulin-Like Growth Factor 1. *FASEB Journal*, **2020**, 34, 1-1	0.9	
64	Empagliflozin reduces high glucose-induced oxidative stress and miR-21-dependent TRAF3IP2 induction and RECK suppression, and inhibits human renal proximal tubular epithelial cell migration and epithelial-to-mesenchymal transition. *Cellular Signalling*, **2020**, 68, 109506	4.9	32
63	TRAF3IP2 (TRAF3 Interacting Protein 2) Mediates Obesity-Associated Vascular Insulin Resistance and Dysfunction in Male Mice. *Hypertension*, **2020**, 76, 1319-1329	8.5	6
62	Minocycline inhibits PDGF-BB-induced human aortic smooth muscle cell proliferation and migration by reversing miR-221- and -222-mediated RECK suppression. *Cellular Signalling*, **2019**, 57, 10-20	4.9	10
61	Aldosterone impairs coronary adenosine-mediated vasodilation via reduced functional expression of Ca-activated K channels. *American Journal of Physiology - Heart and Circulatory Physiology*, **2019**, 317, H357-H363	5.2	6
60	RECK suppresses interleukin-17/TRAF3IP2-mediated MMP-13 activation and human aortic smooth muscle cell migration and proliferation. *Journal of Cellular Physiology*, **2019**, 234, 22242-22259	7	11
59	The combination of a neprilysin inhibitor (sacubitril) and angiotensin-II receptor blocker (valsartan) attenuates glomerular and tubular injury in the Zucker Obese rat. *Cardiovascular Diabetology*, **2019**, 18, 40	8.7	22
58	Angiotensin II suppresses autophagy and disrupts ultrastructural morphology and function of mitochondria in mouse skeletal muscle. *Journal of Applied Physiology*, **2019**, 126, 1550-1562	3.7	8
57	Macrophage Insulin-Like Growth Factor 1 Downregulated Matrix Metalloproteinases and Promoted Features of a Stable Atherosclerotic Plaque. *FASEB Journal*, **2019**, 33, 522.6	0.9	
56	Prevention of Obesity-Associated Coronary and Cardiac Diastolic Dysfunction by Deletion of Smooth Muscle Cell Mineralocorticoid Receptor in Females. *FASEB Journal*, **2019**, 33, lb508	0.9	
55	Hepatic Knockdown of RECK Increases NASH Susceptibility. *FASEB Journal*, **2019**, 33, 582.5	0.9	

54	TRAF3IP2 mediates high glucose-induced endothelin-1 production as well as endothelin-1-induced inflammation in endothelial cells. *American Journal of Physiology - Heart and Circulatory Physiology*, **2018**, 314, H52-H64	5.2	23
53	Glycemic control by the SGLT2 inhibitor empagliflozin decreases aortic stiffness, renal resistivity index and kidney injury. *Cardiovascular Diabetology*, **2018**, 17, 108	8.7	72
52	TRAF3IP2 mediates TWEAK/TWEAKR-induced pro-fibrotic responses in cultured cardiac fibroblasts and the heart. *Journal of Molecular and Cellular Cardiology*, **2018**, 121, 107-123	5.8	17
51	Macrophage Insulin-Like Growth Factor I (IGF1) Upregulates Atherosclerotic Plaque Collagen and Suppresses Atherosclerosis by Reducing Matrix Metalloproteinases.. *FASEB Journal*, **2018**, 32, 572.7	0.9	
50	Minocycline Inhibits PDGF-BB-induced Human Aortic Smooth Muscle Cell Proliferation and Migration via Induction of RECK. *FASEB Journal*, **2018**, 32, 676.3	0.9	
49	SM22□(Smooth Muscle Protein 22-□)Promoter-Driven IGF1R (Insulin-Like Growth Factor 1 Receptor) Deficiency Promotes Atherosclerosis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2018**, 38, 2306-2317	9.4	15
48	Targeting TRAF3IP2 by Genetic and Interventional Approaches Inhibits Ischemia/Reperfusion-induced Myocardial Injury and Adverse Remodeling. *Journal of Biological Chemistry*, **2017**, 292, 2345-2358	5.4	19
47	Dipeptidyl Peptidase-4 Inhibition With Saxagliptin Ameliorates Angiotensin II-Induced Cardiac Diastolic Dysfunction in Male Mice. *Endocrinology*, **2017**, 158, 3592-3604	4.8	15
46	Dipeptidyl peptidase-4 (DPP-4) inhibition with linagliptin reduces western diet-induced myocardial TRAF3IP2 expression, inflammation and fibrosis in female mice. *Cardiovascular Diabetology*, **2017**, 16, 61	8.7	38
45	TRAF3IP2 mediates atherosclerotic plaque development and vulnerability in ApoE(-/-) mice. *Atherosclerosis*, **2016**, 252, 153-160	3.1	11
44	Cardiac-restricted Overexpression of TRAF3 Interacting Protein 2 (TRAF3IP2) Results in Spontaneous Development of Myocardial Hypertrophy, Fibrosis, and Dysfunction. *Journal of Biological Chemistry*, **2016**, 291, 19425-36	5.4	15
43	Metformin inhibits aldosterone-induced cardiac fibroblast activation, migration and proliferation in vitro, and reverses aldosterone+salt-induced cardiac fibrosis in vivo. *Journal of Molecular and Cellular Cardiology*, **2016**, 98, 95-102	5.8	38
42	Histone deacetyltransferase inhibitors Trichostatin A and Mocetinostat differentially regulate MMP9, IL-18 and RECK expression, and attenuate Angiotensin II-induced cardiac fibroblast migration and proliferation. *Hypertension Research*, **2016**, 39, 709-716	4.7	14
41	The Nox1/4 Dual Inhibitor GKT137831 or Nox4 Knockdown Inhibits Angiotensin-II-Induced Adult Mouse Cardiac Fibroblast Proliferation and Migration. AT1 Physically Associates With Nox4. *Journal of Cellular Physiology*, **2016**, 231, 1130-41	7	44
40	Aldosterone-induced cardiomyocyte growth, and fibroblast migration and proliferation are mediated by TRAF3IP2. *Cellular Signalling*, **2015**, 27, 1928-38	4.9	41
39	Pressure overload induces IL-18 and IL-18R expression, but markedly suppresses IL-18BP expression in a rabbit model. IL-18 potentiates TNF-□nduced cardiomyocyte death. *Journal of Molecular and Cellular Cardiology*, **2014**, 75, 141-51	5.8	30
38	OxLDL induces endothelial dysfunction and death via TRAF3IP2: inhibition by HDL3 and AMPK activators. *Free Radical Biology and Medicine*, **2014**, 70, 117-28	7.8	83
37	Acetylsalicylic acid inhibits IL-18-induced cardiac fibroblast migration through the induction of RECK. *Journal of Cellular Physiology*, **2014**, 229, 845-55	7	28

36	Docosahexaenoic acid reverses angiotensin II-induced RECK suppression and cardiac fibroblast migration. *Cellular Signalling*, **2014**, 26, 933-41	4.9	32
35	TRAF3IP2 mediates interleukin-18-induced cardiac fibroblast migration and differentiation. *Cellular Signalling*, **2013**, 25, 2176-84	4.9	26
34	Angiotensin II stimulates cardiac fibroblast migration via the differential regulation of matrixins and RECK. *Journal of Molecular and Cellular Cardiology*, **2013**, 65, 9-18	5.8	79
33	CIKS (Act1 or TRAF3IP2) mediates high glucose-induced endothelial dysfunction. *Cellular Signalling*, **2013**, 25, 359-71	4.9	37
32	Advanced oxidation protein products induce cardiomyocyte death via Nox2/Rac1/superoxide-dependent TRAF3IP2/JNK signaling. *Free Radical Biology and Medicine*, **2013** , 60, 125-35	7.8	44
31	Interleukin-18 enhances IL-18R/Nox1 binding, and mediates TRAF3IP2-dependent smooth muscle cell migration. Inhibition by simvastatin. *Cellular Signalling*, **2013**, 25, 1447-56	4.9	16
30	CIKS (Act1 or TRAF3IP2) mediates Angiotensin-II-induced Interleukin-18 expression, and Nox2-dependent cardiomyocyte hypertrophy. *Journal of Molecular and Cellular Cardiology*, **2012**, 53, 113-24	5.8	40
29	Interleukin-17A stimulates cardiac fibroblast proliferation and migration via negative regulation of the dual-specificity phosphatase MKP-1/DUSP-1. *Cellular Signalling*, **2012**, 24, 560-568	4.9	72
28	Angiotensin II enhances AT1-Nox1 binding and stimulates arterial smooth muscle cell migration and proliferation through AT1, Nox1, and interleukin-18. *American Journal of Physiology - Heart and Circulatory Physiology*, **2012**, 303, H282-96	5.2	75
27	Angiotensin-II type 1 receptor and NOX2 mediate TCF/LEF and CREB dependent WISP1 induction and cardiomyocyte hypertrophy. *Journal of Molecular and Cellular Cardiology*, **2011**, 50, 928-38	5.8	54
26	Angiotensin II upregulates protein phosphatase 2C and inhibits AMP-activated protein kinase signaling and energy balance leading to skeletal muscle wasting. *Hypertension*, **2011**, 58, 643-9	8.5	50
25	WNT1-inducible signaling pathway protein-1 activates diverse cell survival pathways and blocks doxorubicin-induced cardiomyocyte death. *Cellular Signalling*, **2010**, 22, 809-20	4.9	99
24	Neutralization of interleukin-18 ameliorates ischemia/reperfusion-induced myocardial injury. *Journal of Biological Chemistry*, **2009**, 284, 7853-65	5.4	90
23	Resveratrol blocks interleukin-18-EMMPRIN cross-regulation and smooth muscle cell migration. *American Journal of Physiology - Heart and Circulatory Physiology*, **2009**, 297, H874-86	5.2	47
22	Adiponectin blocks interleukin-18-mediated endothelial cell death via APPL1-dependent AMP-activated protein kinase (AMPK) activation and IKK/NF-kappaB/PTEN suppression. *Journal of Biological Chemistry*, **2008**, 283, 24889-98	5.4	108
21	Resveratrol inhibits high glucose-induced PI3K/Akt/ERK-dependent interleukin-17 expression in primary mouse cardiac fibroblasts. *American Journal of Physiology - Heart and Circulatory Physiology*, **2008**, 294, H2078-87	5.2	86
20	Interleukin-17 stimulates C-reactive protein expression in hepatocytes and smooth muscle cells via p38 MAPK and ERK1/2-dependent NF-kappaB and C/EBPbeta activation. *Journal of Biological Chemistry*, **2007**, 282, 27229-27238	5.4	144
19	IL-17 stimulates MMP-1 expression in primary human cardiac fibroblasts via p38 MAPK- and ERK1/2-dependent C/EBP-beta , NF-kappaB, and AP-1 activation. *American Journal of Physiology - Heart and Circulatory Physiology*, **2007**, 293, H3356-65	5.2	175

18	Interleukin-18 knockout mice display maladaptive cardiac hypertrophy in response to pressure overload. *Biochemical and Biophysical Research Communications*, **2007**, 354, 552-8	3.4	42
17	Interleukin-18-induced human coronary artery smooth muscle cell migration is dependent on NF-kappaB- and AP-1-mediated matrix metalloproteinase-9 expression and is inhibited by atorvastatin. *Journal of Biological Chemistry*, **2006**, 281, 15099-109	5.4	155
16	The pro-atherogenic cytokine interleukin-18 induces CXCL16 expression in rat aortic smooth muscle cells via MyD88, interleukin-1 receptor-associated kinase, tumor necrosis factor receptor-associated factor 6, c-Src, phosphatidylinositol 3-kinase, Akt, c-Jun N-terminal kinase, and activator protein-1 signaling. *Journal of Biological Chemistry*, **2005**, 280, 26263-77	5.4	65
15	Interleukin-18 is a pro-hypertrophic cytokine that acts through a phosphatidylinositol 3-kinase-phosphoinositide-dependent kinase-1-Akt-GATA4 signaling pathway in cardiomyocytes. *Journal of Biological Chemistry*, **2005**, 280, 4553-67	5.4	99
14	Activation of intrinsic and extrinsic proapoptotic signaling pathways in interleukin-18-mediated human cardiac endothelial cell death. *Journal of Biological Chemistry*, **2004**, 279, 20221-33	5.4	94
13	CXCL16 signals via Gi, phosphatidylinositol 3-kinase, Akt, I kappa B kinase, and nuclear factor-kappa B and induces cell-cell adhesion and aortic smooth muscle cell proliferation. *Journal of Biological Chemistry*, **2004**, 279, 3188-96	5.4	117
12	Chemokine-cytokine cross-talk. The ELR+ CXC chemokine LIX (CXCL5) amplifies a proinflammatory cytokine response via a phosphatidylinositol 3-kinase-NF-kappa B pathway. *Journal of Biological Chemistry*, **2003**, 278, 4675-86	5.4	79
11	Fractalkine (CX3CL1) stimulated by nuclear factor kappaB (NF-kappaB)-dependent inflammatory signals induces aortic smooth muscle cell proliferation through an autocrine pathway. *Biochemical Journal*, **2003**, 373, 547-58	3.8	126
10	Ultrasound-targeted antisense oligonucleotide attenuates ischemia/reperfusion-induced myocardial tumor necrosis factor-alpha. *Journal of Molecular and Cellular Cardiology*, **2003**, 35, 119-30	5.8	29
9	Beta-adrenergic receptor blockade modulates Bcl-X(S) expression and reduces apoptosis in failing myocardium. *Journal of Molecular and Cellular Cardiology*, **2003**, 35, 483-93	5.8	39
8	TNF-alpha and H2O2 induce IL-18 and IL-18R beta expression in cardiomyocytes via NF-kappa B activation. *Biochemical and Biophysical Research Communications*, **2003**, 303, 1152-8	3.4	74
7	Ischemia-reperfusion of rat myocardium activates nuclear factor-KappaB and induces neutrophil infiltration via lipopolysaccharide-induced CXC chemokine. *Circulation*, **2001**, 103, 2296-302	16.7	177
6	Chronic beta-adrenergic stimulation induces myocardial proinflammatory cytokine expression. *Circulation*, **2000**, 101, 2338-41	16.7	186
5	Induction of nuclear factor kappaB but not kappaB-responsive cytokine expression during myocardial reperfusion injury after neutropenia. *Free Radical Biology and Medicine*, **2000**, 28, 1579-88	7.8	24
4	Contractile depression and expression of proinflammatory cytokines and iNOS in viral myocarditis. *American Journal of Physiology - Heart and Circulatory Physiology*, **1998**, 274, H249-58	5.2	25
3	Induction of nuclear factor kappaB and activation protein 1 in postischemic myocardium. *FEBS Letters*, **1997**, 401, 30-4	3.8	129
2	Modulation of antioxidant enzymes and programmed cell death by n-3 fatty acids. *Lipids*, **1996**, 31 Suppl, S91-6	1.6	56
1	Effects of n-3 and n-6 fatty acids on the activities and expression of hepatic antioxidant enzymes in autoimmune-prone NZBxNZW F1 mice. *Lipids*, **1994**, 29, 561-8	1.6	117